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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,239	11/13/2003	Rajeev Chhabra	9103M	8603

27752 7590 10/17/2006

THE PROCTER & GAMBLE COMPANY  
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EXAMINER
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TORRES VELAZQUEZ, NORCA LIZ

ART UNIT	PAPER NUMBER
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1771

DATE MAILED: 10/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/712,239

Applicant(s)

CHHABRA ET AL.

Examiner

Norca L. Torres-Velazquez

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) 12-18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Continued Examination Under 37 CFR 1.114*

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 05, 2006 has been entered.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over DOBRIN et al. (US 6,383,431 B1) as stated in previous office action.

DOBRIN et al. discloses a method for modifying the physical characteristics of a nonwoven fibrous web, which involves passing the web between at least one pair of interengaged rolls to incrementally stretch the web, and then withdrawing the incrementally stretched web from between the rolls under tension. (Abstract) The reference relates to disposable absorbent articles. The reference teaches a nonwoven material with a deformation pattern in the form of ridges and grooves defining an array of spaced, diamond-shaped elements 100 with intervening un-deformed areas 102. (Col. 12, lines 2-24; Figures 10-11) Figures 10

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and 11 show the patterns of the forming rolls that are transferred into the nonwoven web. It is the Examiner's interpretation that that first and second regions of the present invention would be provided by the Dobrin reference. (Refer to Figures) The reference shows in their examples nonwoven materials with basis weight ranging from 27-33 gsm and it teaches structures that comprise carded webs, spun bonded webs, SMS, among others. (Refer to Table I and Cols. 14-18) DOBRIN '431 teaches that the preferred nonwoven, fibrous web material can have an initial thickness of from about 5 mils to about 40 mils [0.1270-1.0160 mm]. (Refer to Col. 7, lines 29-30) Further, the reference teaches that the modified web thickness is from about 85% to about 400% of the initial web thickness (caliper). (Refer to Col. 3, lines 47-48)

DOBRIN is silent to locking the protruding elements in the second region by the reinforcing means of the present invention.

SMITH is directed to an embossed nonwoven fabric having a textured character and fabric-like qualities of softness and had and suitable for wiping surfaces having aqueous liquids. (Abstract) Figure 4, shows a configuration in which the embossed nonwoven fabric 26 is used for wiping or cleaning purposes and areas 22 (similar to the second portions of the present invention) are reinforced by thermal bonding. (Refer to Col. 3, lines 31-45)

Since both references are directed to nonwoven materials useful in the production of disposable absorbent materials the purpose disclosed by SMITH would have been recognized in the pertinent art of DOBRIN.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the second portions of DOBRIN and provide them with thermal bonding with the motivation of enhancing the wiping and cleaning efficiency of the

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material by having the second portions in more intimate contact with the surface to be wiped as taught by SMITH. (Refer to Col. 3, lines 40-42)

***Response to Arguments***

4. Applicant's arguments filed September 05, 2006 have been fully considered but they are not persuasive.

a. Applicants have amended independent claim 1 to now recite that the second region comprises a strained region forming a protruding element. Applicants argue that the secondary reference of SMITH reveals no reference to a strained region forming a protruding element locked by a reinforcing means selected from the group consisting of thermal bonding, chemical bonding, ionic bonding, adhesive bonding and combinations thereof.


It is noted herein that the primary reference of DOBRIN et al. provides a similar texturing method that includes incremental stretching similar to that described by the present invention that produced similar protruding elements, therefore, it is the Examiner's position that the now claimed strained regions are present. The Examiner has relied on the secondary reference of SMITH to further provide the material of DOBRIN et al. with a reinforcing mean by way of thermal bonding to enhance the wiping and cleaning efficiency of the material of DOBRIN et al. It is noted that the strained region is present in the primary reference of DOBRIN et al. and the Examiner is relying on SMITH et al. to provide the material with thermal bonding. Therefore, claims 1 to 11 remain rejected over the combination of DOBRIN et al. in view of SMITH et al. as stated above.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Norca L. Torres-Velazquez whose telephone number is 571-272-1484. The examiner can normally be reached on Monday-Thursday 8:00-5:00 pm and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on 571-272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Norca L. Torres-Velazquez  
Primary Examiner  
Art Unit 1771

October 11, 2006